

Operational Description

Applicant Name Product Name: WIFI Control 5M Light Strip
Model Name: MLB7-1033, MLB7-1033-RGB, MLB7-1033-CAN
Frequency Range: BLE: 2402-2480 MHz; 2.4G Wi-Fi: 2412-2462 MHz

1. After the product has been connected to DC 3.3V, product will start to work through XTAL 26MHz (Y1) vibration. During transmitting, transceiver (U5 BK7231N) will output low-power signals to the PA (Power Amplifier), and then radiate signals to the space through Antenna network. During receiving signal, antenna will send electromagnetic wave signal to the Low Noise Amplifier for enlarging, and then signal will be sent to transceiver to demodulate.
2. Frequency Range: BLE: 2402-2480 MHz; 2.4G Wi-Fi: 2412-2462 MHz
- 3 Modulation Type:
BLE: GFSK
802.11b: DSSS-DBPSK, DQPSK, CCK
802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM
- 4 Maximum Peak Output Power:
BLE: 7.5 dBm
2.4G Wi-Fi: 21.71 dBm
- 5 Antenna gain: 1.84 dBi
- 6 Power via adapter, DC 24V, 1.5A
- 7 Channel Frequency

For BLE:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
..	...	38	2478
19	2440	39	2480

For 802.11b/g/n ht20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	/	/

For 802.11n ht40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	7	2442
4	2427	8	2447
5	2432	9	2452
6	2437	/	/